

SF₆ FREE GAS HANDLING



Environmentally Friendly Solutions

Several switchgear manufacturers now offer the first eco-efficient Gas Insulated Equipment designed for use with alternative gases. Alternative gases have a significantly reduced Global Warming Potential compared to SF₆ gas. DILO has invested years of research and development into the first complete product line engineered for the handling of alternative gases.



Product Line C4 | 3M™ Novec™ 4710 (CF₃)₂CFCN

Product Line C5 | 3M™ Novec™ 5110 (CF₃C(O)CF(CF₃)₂)

Devices in C4 and C5 product line allow for:



Filling of gas compartments in the medium and high voltage range



Emission-free recovery of gas compartments



Leak detection and monitoring of gas quality

Manufacturer-independent Development

As a specialist and world leader for gas handling solutions, DILO also works with manufacturers, public, and private organizations that require support for alternative gas handling applications. DILO can engineer and supply custom products for special applications, including development, production, installation, and commissioning.

DILO'S ROADMAP TO GREEN GAS HANDLING

Market launch of DILO metal-to-metal sealing high pressure tube unions

1951

1967 to Present

SF₆ Gas handling solutions improving technology to reduce emissions to 0.05lbs or less per pound of SF₆ gas handled

Introduction of SF₆ Gas Reconditioning Services to North America, contributing to emission reductions by eliminating need for virgin gas

2005 to Present

2016

Development of SF₆ gas alternative handling equipment

Introduction of C4 and C5 gas handling, analysis, and leak detection equipment

2018

2019

Development of C4 and C5 gas mixing equipment

Introduction of gas mixing services in North America

2022

2024

Alternative gas handling services via DILO Direct



Custom Products for Special Applications